### 05/17/2017 504370748

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4417442

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
FREDERICK E. SHELTON IV	03/06/2017
DAVID C. YATES	01/31/2017
KEVIN L. HOUSER	02/10/2017
JEFFREY D. MESSERLY	02/14/2017
JASON L. HARRIS	02/14/2017

### **RECEIVING PARTY DATA**

Name:	ETHICON ENDO-SURGERY, LLC	
Street Address:	#475 STREET C	
Internal Address:	LOS FRAILES INDUSTRIAL PARK	
City:	GUAYNABO	
State/Country:	PUERTO RICO	
Postal Code:	00969	

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15382297

## **CORRESPONDENCE DATA**

Fax Number: (412)355-6501

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (412) 355-6423

Email: piuspatents@klgates.com ROBERTO CAPRIOTTI **Correspondent Name:** Address Line 1: 210 SIXTH AVENUE Address Line 2: **K&L GATES CENTER** 

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END7911USNP14/160006-14
NAME OF SUBMITTER:	ROBERTO CAPRIOTTI
SIGNATURE:	/Roberto Capriotti/
DATE SIGNED:	05/17/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

REEL: 042403 FRAME: 0032 504370748

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# Total Attachments: 10 source=signed\_combinded\_declarations-assignments#page1.tif source=signed\_combinded\_declarations-assignments#page2.tif source=signed\_combinded\_declarations-assignments#page3.tif source=signed\_combinded\_declarations-assignments#page4.tif source=signed\_combinded\_declarations-assignments#page5.tif source=signed\_combinded\_declarations-assignments#page6.tif source=signed\_combinded\_declarations-assignments#page7.tif

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> PATENT REEL: 042403 FRAME: 0033

	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	•••••	POWERED HANDHELD SURGICAL INSTRUMENT WITH SELF- OL SWITCHES FOR REUSABLE HANDLE ASSEMBLY
This declaration and assi	gnment is directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	$\boxtimes$	The United States application or PCT international application number 15/382,297 filed on December 16, 2016.
Declaration		
As the below no	med inventor, I hereby decl	are that:
The above-iden	tified application ("Applicat	ion") was made or authorized by me.
I believe that I a	m the original inventor or a	n original inventor of a claimed invention or discovery in the Application.
	terial to patentability as def	nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
		e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or a for filings of this Application in the United States of America.
Assignment		
		Ethicon Endo-Surgery, LLC #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a Lin	nited Liability Company of <u>Delaware</u> .
	(here	einafter designated as the "Assignee"),
		the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
ór		
For good and sassigned and transferred		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
he right to claim priority States, European Patent such inventions or disc continuations thereof, an supplementary protection and enjoyment to the full	to the Application, all invi- Office and of all other cou- overies and all rights in s d to all Letters Patent that a certificates, reexamination	the Application, including all priority rights for other countries arising therefrom and entions or discoveries therein disclosed, and any and all Letters Patent of the United ntries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and may be granted for said inventions and discoveries, and in and to all extensions, s, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use or which such Letters Patent may be granted, as fully and entirely as the same would ent and sale not been made.

Page 1 of 2

US Application No.: 15/382,297

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

Frederick E. Shelton, IV	
LEGAL NAME OF INVENTOR	
Thell Ellipse	3/4/17
Signature /	Date

	COMBINED	DECLARATION AND ASSIGNMENT	
Title of Invention:	MODULAR BATTERY POWERED HANDHELD SURGICAL INSTRUMENT WITH SELF- DIAGNOSING CONTROL SWITCHES FOR REUSABLE HANDLE ASSEMBLY		
This declaration and ass	ignment is directed to:	·	
		The attached or filed herewith application of (list of named inventors),	
	or		
		The United States application or PCT international application number 15/382,297 filed on December 16, 2016.	
Declaration		·	
As the below n	amed inventor, I hereby dec	lare that:	
The above-iden	tified application ("Applica	tion") was made or authorized by me.	
I believe that I	am the original inventor or	an original inventor of a claimed invention or discovery in the Application.	
information which is ma		ents of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of	
		e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or the for filings of this Application in the United States of America.	
Assignment		Ethicon Endo-Surgery, LLC #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969	
	a Li	mited Liability Company of Delaware.	
	(her	einafter designated as the "Assignee"),	
		the above-identified invention by previous assignment (attached hereto) to Assignee 3 Patent Office and I confirm I have and do assign and transfer:	
or .			
For good and signed and transferred		sufficiency of which is acknowledged, I hereby assign and transfer and/or have	
he right to claim priority states, European Patent uch inventions or disc ontinuations thereof, ar upplementary protection and enjoyment to the full	y to the Application, all inv Office and of all other con- overies and all rights in ad to all Letters Patent than a certificates, reexamination lend of the term or terms f	the Application, including all priority rights for other countries arising therefrom and ventions or discoveries therein disclosed, and any and all Letters Patent of the United intries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and t may be granted for said inventions and discoveries, and in and to all extensions, as, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use for which such Letters Patent may be granted, as fully and entirely as the same would ent and sale not been made.	
		Page 1 of 7	
		Page 1 of 2	

US Application No.: 15/382,297

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

David C. Yates

LEGAL NAME-OF INVENTOR

Signature

01/31/17 Date

# COMBINED DECLARATION AND ASSIGNMENT

		MEGEWING TOU MIND WINDS AND
(		POWERED HANDHELD SURGICAL INSTRUMENT WITH SELF- OL SWITCHES FOR REUSABLE HANDLE ASSEMBLY
This declaration and assignment is d	irected to:	
		The attached or filed herewith application of (list of named inventors),
	or	
		The United States application or PCT international application number 15/382,297 filed on December 16, 2016.
Declaration		
As the below named invent	or, I hereby dec	lare that:
The above-identified applic	ation ("Applica	tion") was made or authorized by me.
I believe that I am the origin	nal inventor or a	an original inventor of a claimed invention or discovery in the Application.
	entability as de	nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
		e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or h for filings of this Application in the United States of America.
Assignment		Ethicon Endo-Surgery, LLC #475 Street C Los Fraíles Industrial Park Guaynabo, Puerto Rico 00969
	a Lir	nited Liability Company of <u>Delaware</u> .
	(her	einaster designated as the "Assignee"),
		the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
or		
For good and valuable cor assigned and transferred to Assignee	•	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the App States, European Patent Office and such inventions or discoveries and continuations thereof, and to all Let supplementary protection certificates	dication, all invoid all other cou all rights in a ters Patent that , reexamination term or terms for	the Application, including all priority rights for other countries arising therefrom and rentions or discoveries therein disclosed, and any and all Letters Patent of the United antries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and t may be granted for said inventions and discoveries, and in and to all extensions, as, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use or which such Letters Patent may be granted, as fully and entirely as the same would ent and sale not been made.

Page 1 of 2

US Application No.: 15/382,297

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I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

Kevin L. Houser	
LEGAL NAME OF INVENTOR	
Kein Z. Horer	•

Signature

10-FEB-17

Date

Attorney Docket No.: END7911USNP14/160006-14 US Application No.: 15/382,297

<b>.</b>	COMBINED	DECLARATION AND ASSIGNMENT	
Title of Invention:	: MODULAR BATTERY POWERED HANDHELD SURGICAL INSTRUMENT WITH SELF- DIAGNOSING CONTROL SWITCHES FOR REUSABLE HANDLE ASSEMBLY		
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As the below na	uned inventor, I hereby dec	lare that:	
The above-iden	tified application ("Applica	tion") was made or authorized by me.	
I believe that I a	um the original inventor or	an original inventor of a claimed invention or discovery in the Application.	
nformation which is ma		nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of	
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	a Li	mited Liability Company of <u>Delaware</u> .	
	(her	einafter designated as the "Assignee"),	
		the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:	
pr			
For good and sasigned and transferred		sufficiency of which is acknowledged, I hereby assign and transfer and/or have	
he right to claim priority states, European Patent uch inventions or disco- ontinuations thereof, an upplementary protection and enjoyment to the full	to the Application, all inv Office and of all other con- overies and all rights in d to all Letters Patent that certificates, reexamination end of the term or terms f	the Application, including all priority rights for other countries arising therefrom and ventions or discoveries therein disclosed, and any and all Letters Patent of the United antries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and t may be granted for said inventions and discoveries, and in and to all extensions, as, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use for which such Letters Patent may be granted, as fully and entirely as the same would ent and sale not been made.	
	,	Page 1 of 2	

**PATENT** REEL: 042403 FRAME: 0040

US Application No.: 15/382,297

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

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I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

Jeffrey D. Messerly

LEGAL NAME OF INVENTOR

Sanstard

Date

# COMBINED DECLARATION AND ASSIGNMENT

Title of Invention:		POWERED HANDHELD SURGICAL INSTRUMENT WITH SELF- OL SWITCHES FOR REUSABLE HANDLE ASSEMBLY
This declaration and assi	gnment is directed to:	
		The attached or filed herewith application of (list of named inventors),
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		The United States application or PCT international application number 15/382,297 filed on <u>December 16, 2016</u> .
Declaration		
As the below no	amed inventor, I hereby dec	lare that:
The above-iden	tified application ("Applica	tion") was made or authorized by me.
I believe that I	um the original inventor or a	n original inventor of a claimed invention or discovery in the Application.
information which is ma		nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
		e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or h for filings of this Application in the United States of America.
Assignment		Ethicon Endo-Surgery, LLC #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a Lir	nited Liability Company of Delaware.
	(her	einafter designated as the "Assignee"),
		the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
or		
For good and assigned and transferred		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priorit States, European Patent such inventions or disc continuations thereof, and supplementary protection and enjoyment to the ful	y to the Application, all inv Office and of all other cou overies and all rights in and to all Letters Patent that a certificates, reexamination all end of the term or terms f	the Application, including all priority rights for other countries arising therefrom and rentions or discoveries therein disclosed, and any and all Letters Patent of the United antries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and t may be granted for said inventions and discoveries, and in and to all extensions, as, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use for which such Letters Patent may be granted, as fully and entirely as the same would ent and sale not been made.

Page 1 of 2

**PATENT REEL: 042403 FRAME: 0042** 

US Application No.: 15/382,297

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

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I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

Jason L. Harris LEGAL NAME OF INVENTOR	
_alm/Min	2 4 707
Signature "	Date

Page 2 of 2